OUTPUT:

INPUT IMAGE:

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```
 import cv2 import cv2.aruco as aruco def detect_aruco_markers():      # L
predefined dictionary      aruco_dict = aruco.Dictionary_get(aruco.DICT_6X
Initialize the detector parameters using default values      parameters =
aruco.DetectorParameters_create()      # Open webcam      cap = cv2.VideoCa
while cap.isOpened():          ret, frame = cap.read()          if not ret:
break          # Convert to grayscale          gray = cv2.cvtColor(frame,
cv2.COLOR_BGR2GRAY)          # Detect the markers in the image          cor
rejectedImgPoints = aruco.detectMarkers(              gray, aruco_dict,
parameters=parameters)          # Draw detected markers          if ids is
aruco.drawDetectedMarkers(frame, corners, ids)          # Display the resu
cv2.imshow('AR Marker Detection', frame)          if cv2.waitKey(1) & 0xFF
break      cap.release()      cv2.destroyAllWindows() detect_aruco_markers(
```